





RECEIVED

JUL 24 2001

File Cops

TECH CENTER 1600/2900

Sheet 1 of 2

MM 5,683,985 11/04/97 Chu et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Publication On the Control of t	SI POSTITI I	TE CODY DEC						Sheet	<u>1</u> of <u>2</u>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. §1.98(b)) (37 C.F.R. §1.98(b)) (37 C.F.R. §1.98(b)) U.S. PATENTS U.S. PATENTS Examiner's Initials Examiner's Initials Foreign Patent Number Issue Date Patentee Class Subclass Iffling Date (Iff Appropria (Iff Appropria)) FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Number Publication Country or Patent Office Patent Office (Iff Appropria) Examiner's Number Publication Country or Patent Office Patent Office (Iff Appropria) Examiner's Number Publication Publication Patent Office Class Subclass Translation Number Publication Patent Office Patent Office (Iff Appropria) Examiner's Number Publication of Country or Patent Office Patent Office (Iff Appropria) Examiner's Number Publication of Country or Patent Office Patent Office (Iff Appropria) Examiner's Number Publication of Country or Patent Office Patent Office (Iff Appropria) Examiner's Number Publication of Country or Patent Office Patent Office (Iff Appropria) OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Millians at al., "Gene Therapy for Clogged Arteries Passes Test in Pigs." Science 265:738 (1994). Millians at al., "Gene Therapy for Clogged Arteries Passes Test in Pigs." Science 265:738 (1994). Millians at al., "Liposome Heart Journal 12:11 (1991). Millians at al., "Liposome Heart Journal 12:11 (1991). Millians at al., "Liposome Sor the Transformation of Eukaryotic Cells." Biochem. Biophys. Acta 1097:1-17 (1991). Millians at al., "Liposome Mediated Gene Transfer." BioTechniques 8:882-690 (1988). Millians at al., "Liposome Mediated Gene Transfer." BioTechniques 8:882-690 (1988). Millians at al., "Liposome Mediated Gene Transfer." BioTechniques 8:882-690 (1988). Millians at al., "Liposome Mediated Gene Transfer." BioTechniques 8:882-690 (1988). Millians at al., "Liposome Mediated Gene Transfer." BioTechniques 8:882-690 (1988). Millians at al., "Liposome Mediated Gene Transfer." BioTechniques 8:882-690	(MODIFIED	IE FORM PTQ-1449)		RTMENT OF ND TRADEM	COMMERCE ARK OFFICE	Attorney I	Oocket No	. 50025/0	03002	
Country or Patent Organization of Gene Expression with Double-Stranded Phosphorothicate Oligonucleotides," Chien, "Molecular Advances in Cardiovascular Biology," Science 260:915-917 (1993). Chien, "Molecular Advances in Cardiovascular Biology," Science 260:915-917 (1993). Chien, "Celi Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Cardiovascular Biology," Science 260:915-917 (1993). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Chien, "Income of the Human				•		Serial No.		09/839,7	52	
(Use several sheets if necessary) Group (37 C.F.R. §1.98(b)) U.S. PATENTS Examiner's Initials Patent Number Issue Date Patentee Class Subclass (If Appropria (If Appropria Initials) W.M. 5.683,985 11/04/97 Chu et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Number Date Publication Country or Patent Office Class Subclass Translation (Yes/No) W.W. 92/18522 29/10/92 PCT OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs," Science 265:738 (1994). W.M. Science 250:997-999 (1990). W.M. Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). W.M. Daiton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). W.M. Ebbecke et al., "E1A-dependent Trans-activation of the Human Myc Promoter is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). M.M. Huge tal., "Liposomes for the Transformation of Eukaryotic Cells," Blochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., "Circulation 86:Suppl. I.p. I226 (1992). M.M. Hutchinson et al., "Liposomes Mediated Gene Transfer," BioTechniques 6:682-690 (1988). M.M. Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). M.M. Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). M.M. Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). M.M. Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). M.M. Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). M.M. Milligan et al., "Liposome Mediated Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method." Circulation 86 (Suppl. II)-1-227 (1992). EXAMINER: Initial citation considered. David for the Considered. David Considere		INFORMAT	TION DISCLOS	URE	i	Applicant	•	Victor J.	Dzau et al.	
(37 C.F.R. §1.98(b)) Coulomer No. 1959 1990	STATEMENT BY APPLICANT						Filing Date		April 19, 2001	
U.S. PATENTS U.S. PATENT OR PATENT OR PATENT APPLICATION FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Number Publication Country or Patent Office U.S. PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Number Publication Country or Patent Office U.S. PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Number Publication Other Patent Office U.S. PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Number Publication Other Patent Office U.S. PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Document Number Publication Office U.S. PATENT OR PUBLISHED FOREIGN PATENT APPLICATION U.S. PATENT OFFI OFFI OR PUBLISHED FOREIGN PATENT APPLICATION U.S. PATENT OFFI OFFI OR PATENT APPLICATION U.S. PATENT OFFI OR PATENT OFFI OR PATENT APPLICATION U.S. PATENT OFFI OR PATENT OFFI OR PATENT APPLICATION U.S. PATENT OFFI OR PATENT OFFI OR PATENT APPLICATION U.S. PATENT OFFI OR						Group		1632 \	636	
Examiner's Initials Patent Number Issue Date Patentee Class Subclass Filing Date (If Appropria MW 5.683,985 11/04/97 Chu et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Initials Document Number Date Patent Office Class Subclass Translation (Yes/No) WO 92/18522 29/10/92 PCT OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs." Science 265:738 (1994). WM Bieinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). WM Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Datton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Phiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). WM Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). MM Hug et al., "Liposomes for the Transformation of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). MM Annino et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). MM Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Mannino et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86:SUPPL 1:227 (1992). EXAMINER: Initial citation considered Data Date Date Considered Dat	(37 C.F.R. §	1.98(b))				IDS Filed		July 16, 2	2001	
Examiner's Initials Patent Number Issue Date Patentee Class Subclass (If Appropria MrW 5,683,985 11/04/97 Chu et al. FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Number Publication Country or Patent Office Class Subclass Translation (Yes/No) WO 92/18522 29/10/92 PCT OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs," Science 265:738 (1994). MM Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). WM Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). WM Datton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). WM Ebbecke et al., European Heart Journal 12:11 (1991). WM Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). MM Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). MM Hutchinson et al., Circulation 86:Suppl. I p. I - 226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). MM Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Mannino et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). MM Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw least the supplemental and the part of the p				· 		Customer	No.	21559		
Initials Initia				U.S.	PATENTS					
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Initials Document Number Date Publication Patent Office Class Subclass Translation (Yes/No) WW 92/18522 29/10/92 PCT OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs." Science 265:738 (1994). Bielinska et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs." Science 265:738 (1994). Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). WM Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). WM Ebbecke et al., European Heart Journal 12:11 (1991). MM Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). MM Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). MM Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). MM Mannino et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). MM Miligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). MM Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86:Suppl. I):1-227 (1992). EXAMINER: Initial clation considered. Data the transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86:SUPPLID: Initial Clation considered. Data the transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86:SUPPLID: Initial Clation considered. Data the transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86:SUPPLID: Initial	Initials	Patent Number	Issue Date		Patentee		Class	Subclass	Filing Date (If Appropriate)	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION Examiner's Initials Document Number Publication Date Patent Office Class Subclass Translation (Yes/No) WW 92/18522 29/10/92 PCT OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs," Science 265:738 (1994). Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Ebbecke et al., European Heart Journal 12:11 (1991). Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1992). MM Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). MM Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1999). MM Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). MM Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). MM Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Druw life a branch the file of the patent with the file of the patent of the pa		5,683,985	11/04/97	Chu et al.			-			
Examiner's Initials Document Number Publication Date Patent Office Class Subclass Translation (Yes/No)	MM	5,631,237	05/20/97	Dzau et al.			٠,			
Initials Number Date Patent Office Class Subclass Translation (Yes/No) WM 92/18522 29/10/92 PCT OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs," Science 265:738 (1994). WM Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). WM Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Ebbecke et al., European Heart Journal 12:11 (1991). Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). MM Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. 1 p. 1 -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). MM Ailligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Days in Authors of the Patent of the Public of th		FORE	IGN PATENT C	R PUBLISH	ED FOREIGN I	PATENT AF	PPLICATION	ON		
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION) Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs," Science 265:738 (1994). MM Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Ebbecke et al., European Heart Journal 12:11 (1991). Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1998). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1999). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). MM Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). DATE CONSIDERED JULIO Ju								Subclass	Translation (Yes/No)	
Barinaga et al., "Gene Therapy for Clogged Arteries Passes Test in Pigs," Science 265:738 (1994). Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Ebbecke et al., European Heart Journal 12:11 (1991). Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). DATE CONSIDERED DATE CONSIDERED	MM	WO 92/18522	29/10/92	PCT						
Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990). Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Ebbecke et al., European Heart Journal 12:11 (1991). Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw line through the filter of the Method," Circulation 86 (Suppl. I):1-227 (1992).		OTHER DOCU	MENTS (INCLU	JDING AUTH	OR, TITLE, DA	TE, PLACE	OF PUBI	-ICATION)		
Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993). Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). Ebbecke et al., European Heart Journal 12:11 (1991). Milebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Provide the August Stiff of the Human Myc Promoter Is Mediated 99.1. DATE CONSIDERED STATON.	WW									
Dalton, "Cell Cycle Regulation of the Human cdc2 Gene," The EMBO Journal 11(5):1979-1804 (1992). What Ebbecke et al., European Heart Journal 12:11 (1991). Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). My Morishita et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw line the protein in the EMBO Journal 11(5):1979-1804 (1992).	MM	Bielinska et al., "Regulation of Gene Expression with Double-Stranded Phosphorothioate Oligonucleotides," Science 250:997-999 (1990).								
Ebbecke et al., European Heart Journal 12:11 (1991). Miliebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). MM Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Providing the state that it is the factor of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Increased Expression of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). MM Acta 1097:1-17 (1992). MM Acta 1097:1-17 (1992). MM Acta 1097:1-17 (1992). DATE CONSIDERED Signal.	MM	Chien, "Molecular Advances in Cardiovascular Biology," Science 260:916-917 (1993).								
Ebbecke et al., European Heart Journal 12:11 (1991). Miebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989). Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Providing the state has the state of the state o										
Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991). Hutchinson et al., Circulation 86:Suppl. I p. 1 -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw line theorems in the late of the considered. Draw line theorems in the late of the considered described to the considered described described to the considered described to the considered described described to the considered described to the considered described to the considered described described to the considered described described to the considered described descr	MM									
Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw line the work with the Constitution of the Constitution	MM	Hiebert et al., "E1A-dependent Trans-activation of the Human Myc Promoter Is Mediated by the E2f Factor," Proc. Natl. Acad. Sci. U. S. A. 86:3594-3598 (1989).							E2f Factor,"	
Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992). Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989). Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Prove line through statute of the supplemental citation of the supplemental citation considered. Prove line through statute of the supplemental citation considered. Prove line through the supplemental citation considered citation citation considered citation	MM	Hug et al., "Liposomes for the Transformation of Eukaryotic Cells," Biochem. Biophys. Acta 1097:1-17 (1991)						7:1-17 (1991).		
Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992). Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw line through sides in the considered.	MM_	Hutchinson et al., Circulation 86:Suppl. I p. I -226 (1992).								
Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988). MM Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER: Initial citation considered. Draw line theorets at the content of the conten	WW	Kaneda et al., "Increased Expression of DNA Cointroduced with Nuclear Protein in Adult Rat Liver," Science 243:375-378 (1989).							er," Science	
Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER DATE CONSIDERED EXAMINER: Initial citation considered. Draw line through sites in the line of the property of the line of the lin	MM	Libby et al., "A Cascade Model for Restenosis. A Special Case of Atherosclerosis Progression," Circulation 86:III-47 - III-52 (1992).							Circulation	
MM Milligan et al., "Current Concepts in Antisense Drug Design," J. Med. Chem. 36:1923-1937 (1993). Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER DATE CONSIDERED Transfer Draw line through a through a line of the providered Draw line line of th	MM	Mannino et al., "Liposome Mediated Gene Transfer," BioTechniques 6:682-690 (1988).								
Morishita et al., "In Vivo Gene Transfer into Intact Blood Vessels: a Novel and Efficient Method," Circulation 86 (Suppl. I):1-227 (1992). EXAMINER DATE CONSIDERED EXAMINER: Initial citation considered. Draw line theorets static."	MM									
EXAMINER: Initial citation considered. Draw line through alterial in the considered and the citation considered.	MM	Morishita et al., "In	Vivo Gene Tran							
EXAMINER: Initial citation considered. Drawling through site is a six and a	EXAMINER	M Man	ich		DATE CONS	IDERED	5/2	Mor		
Schimarication to applicant.	EXAMINER: Inition form with the ne	tial citation considere ext communication to	ed. Draw line the applicant.	rough citation	n if not in confo	rmance and			de copy of this	





HEUEIVED

JUL 2 4 2001

TECH CENTER 1600/2900

U.S. DEPARTMENT OF COMMERCE Attorney Docket No. 50025/003002 SUBSTITUTE FORM PTO-1449 (MODIFIED) PATENT AND TRADEMARK OFFICE 09/839,752 Serial No. Applicant Victor J. Dzau et al. INFORMATION DISCLOSURE April 19, 2001 STATEMENT BY APPLICANT Filing Date (Use several sheets if necessary) 1632/636 Group

(37 C.F.R. §1.	98(b))		IDS Filed	July 16, 2001				
	1		Customer No.	21559				
	OTHER DOCUMENTS (INCLUDING AUTHOR	R, TITLE, C	ATE, PLACE OF PUBL	ICATION)				
MM	Mulligan et al., "The Basic Science of Gene Therapy," Science 260:926-932 (1993).							
MM	Nevins, "E2F: A Link Between the Rb Tumor Supressor Protein and Viral Oncoproteins," Science 258:424-429 (1992).							
MM	Ostrowski et al., "Glucocorticoid Regulation of Tr Biol. 3:2045-2057 (1983).	Ostrowski et al., "Glucocorticoid Regulation of Transcription at an Amplified, Episomal Promoter," Mol. Cell. Biol. 3:2045-2057 (1983).						
MM	Pagano et al., "Association of cdk2 Kinase with the Transcription Factor E2F During S Phase," Science 255:1144-1147 (1992).							
MM	Ritzenthaler et al., "Regulation of the α1(I) Collagen Promoter via a Transforming Growth Factor-β Activation Element," J. Biol. Chem. 268:13625-13631 (1993).							
MM	Ritzenthaler et al., "Transforming-growth-factor-β Activation Elements in the Distal Promoter Regions of the Rat α1 Type I Collagen Gene," Biochem. J. 280:157-162 (1991).							
MM	Rubin et al., "Atherosclerosis in Mice: Getting to the Heart of a Polygenic Disorder," Trends in Genetics 10:199-204 (1994).							
MM	Schwartz et al., "Coronary Restenosis: Prospects for Solution and New Perspectives from a Porcine Model," Mayo Clinic Proceedings 68:54-62 (1993).							
MM	Stein et ál., "Antisense Oligonucleotides as Therapeutic Agentsis the Bullet Really Magical?" Science 261:1004-12 (1993).							
MM	Sullenger et al., "Overexpression of TAR Sequences Renders Cells Resistant to Human Immunodeficiency Virus Replication," Cell 63:601-608 (1990).							
MYM	Tomita et al., "Direct in Vivo Gene Introduction into Rat Kidney," Biochem. Biophys. Res. Comm. 186:129-134 (1992).							
MM	Tseng et al., "Antisense Oligonucleotide Technology in the Development of Cancer Therapeutics," Cancer Gene Ther. 1:65-71 (1994).							
YNYA	Uhlmann et al., Chemical Reviews 90:543-584 (1990).							
MM	Weintraub et al., "Retinoblastoma Protein Switches the E2F Site from Positive to Negative Element," Nature 358:259-261 (1992).							
MM	Wu et al.; "Inhibition of <i>In Vitro</i> Transcription by Specific Double-stranded Oligodeoxyribonucleotides," Gene 89:203-209 (1990).							
MM	Yee et al., "Promoter Interaction of the E1A-inducible Factor E2F and its Potential Role in the Formation of a Multi-component Complex," The EMBO Journal 6:2061-2068 (1987).							
EXAMINER	74. 74.	DATE CO	ONSIDERED (22.1)					

EXAMINER M Marich DATE CONSIDEREDS 122102

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.

file